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• **McMasters, Marie Ann**
Mason, OH 45040 (US)

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(71) Applicant: **General Electric Company**
Schenectady, NY 12345 (US)

(74) Representative: **Szary, Anne Catherine**
GE International Inc.
Global Patent Operation - Europe
15 John Adam Street
London
WC2N 6LU (GB)

(72) Inventors:
• **Nagaraj, Bangalore Aswatha**
West Chester, OH 45069 (US)

(54) **A thermal barrier coating system for enhancing heat transfer of turbine engine components**

(57) A system for enhancing the heat transfer of turbine engine components (5) is disclosed that includes applying a metallic coating (32) having a high thermal conductivity to the cold side (24) of a turbine component

to enhance heat transfer away from the component (5). The metallic coating (32) may be roughened to improve heat transfer. The metal coating (32) may be a Ni-Al bond coating having an aluminum content greater than about 50 weight percent.

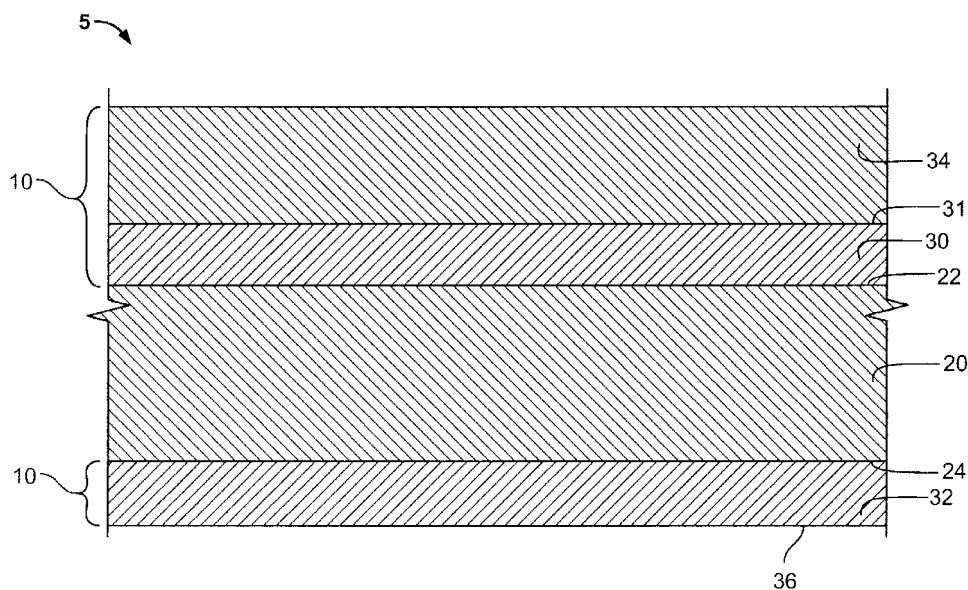


FIG. 1

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 December 2012	Examiner Koch, Rafael
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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